

Marine Air Ground Task Force (MAGTF)

1a. Differentiate between the functions and operational capabilities of Marine aviation.



Missions and Functions

- Marine aviation is divided into six functional areas. Each functional area plays a vital role in the organization of the Aviation Combat Element within the Marine Air/Ground Task Force.
- The primary mission of Marine aviation is to participate as the Fleet Marine Force supporting air component.

Missions and Functions

- Additionally, Marine aviation supports the seizure and defense of advanced naval bases, conducts essential land operations during naval campaigns and participates as an integral component of naval aviation.

Missions and Functions

- Offensive Air Support
 - Involves air operations that are conducted against enemy installations, facilities, and personnel in order to directly assist in the attainment of MAGTF objectives.
 - Isolates the battlefield and provides timely and accurate close air support and deep air support.
 - Delays enemy reinforcements, degrading critical enemy functions, and manipulating enemy perceptions.

Missions and Functions

- Categories

- Close air support requires detailed integration with a friendly ground force's movement.
- Deep air support does not require detailed integration but includes air interdiction and armed reconnaissance.



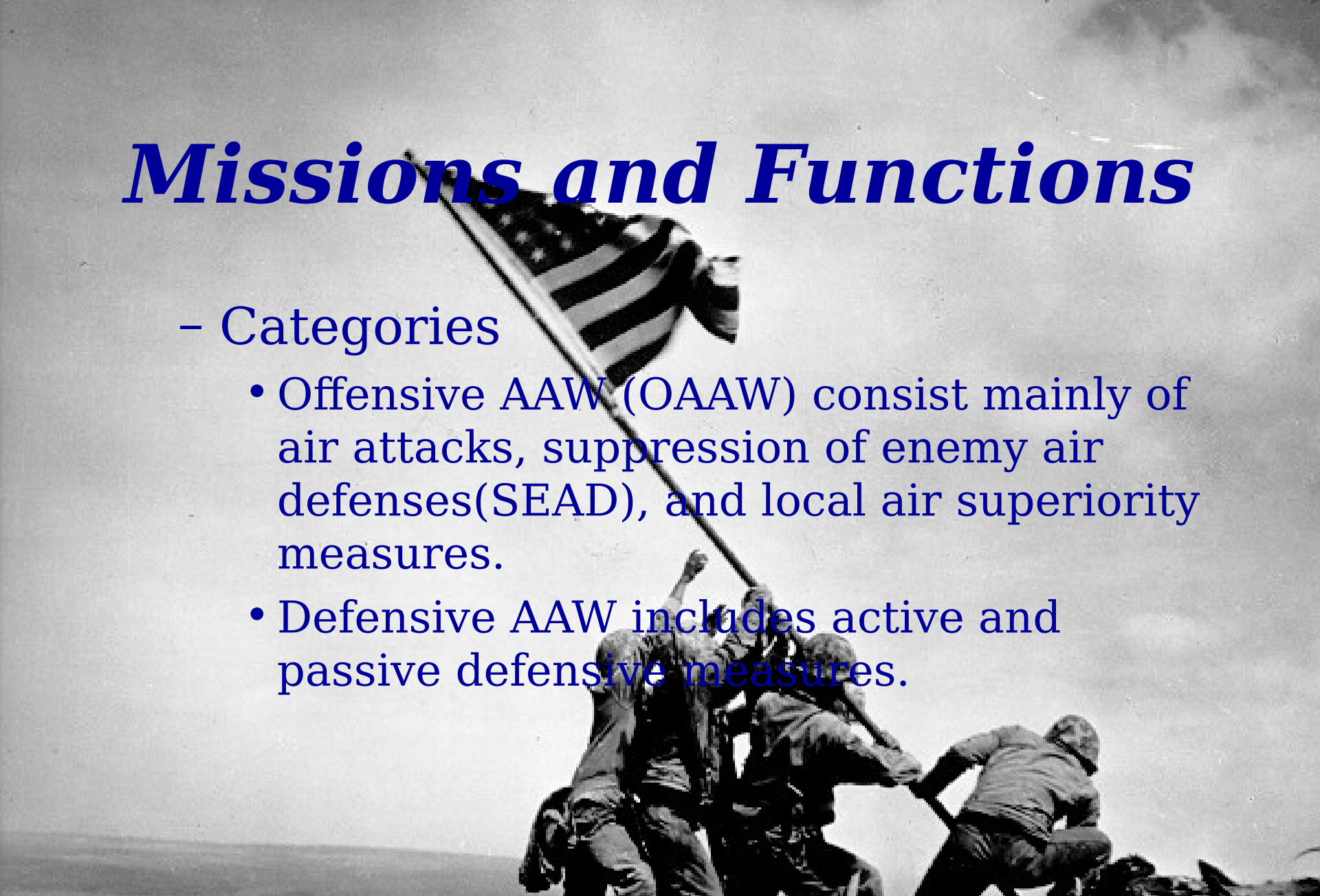
Missions and Functions

- Anti Air Warfare
 - Destroys or reduces enemy air and missile threats.
 - The primary purpose of AAW is to gain and maintain whatever degree of air superiority is required.
 - AAW uses both offensive and defensive means to accomplish its objectives and to directly support the warfighting function.

Missions and Functions

- Categories

- Offensive AAW (OAAW) consist mainly of air attacks, suppression of enemy air defenses(SEAD), and local air superiority measures.
- Defensive AAW includes active and passive defensive measures.



Missions and Functions

- Assault Support
 - Ensures the rapid build up of combat power and facilitates the quick maneuver of ground forces.
 - Assault Support uses aircraft to provide tactical mobility and logistic support to the MAGTF.
 - Categories
 - Combat assault transport
 - Provides mobility and logistical support.
 - Used to effect a rapid force buildup.

Missions and Functions

- Aerial delivery
 - Transport equipment and supplies to forward or remote areas.
 - Includes use of air drops (parachute or freefall).
- Aerial refueling
 - Allows flight-ferrying operations.
 - Aids in the recovery of damaged or low fuel aircraft.
- Air evacuation
 - Transports personnel and equipment from forward or remote areas.
 - Includes flights from areas of operations to secure rear areas, medical evacuations and retraction of forces.

Missions and Functions

- Tactical recovery of aircraft and personnel (TRAP)
 - Used when tactical situation prevents search and rescue.
 - Concept stresses detailed planning, assigned and briefed aircrews and confirmation of survivors and their locations.
- Air logistical support
 - Only fixed wing aircraft perform air logistical support
 - Delivers troops, equipment and supplies to areas beyond helicopter range and lift capability
- Battlefield illumination
 - Utilizes fixed or rotary wing aircraft
 - Used to illuminate the battlefield

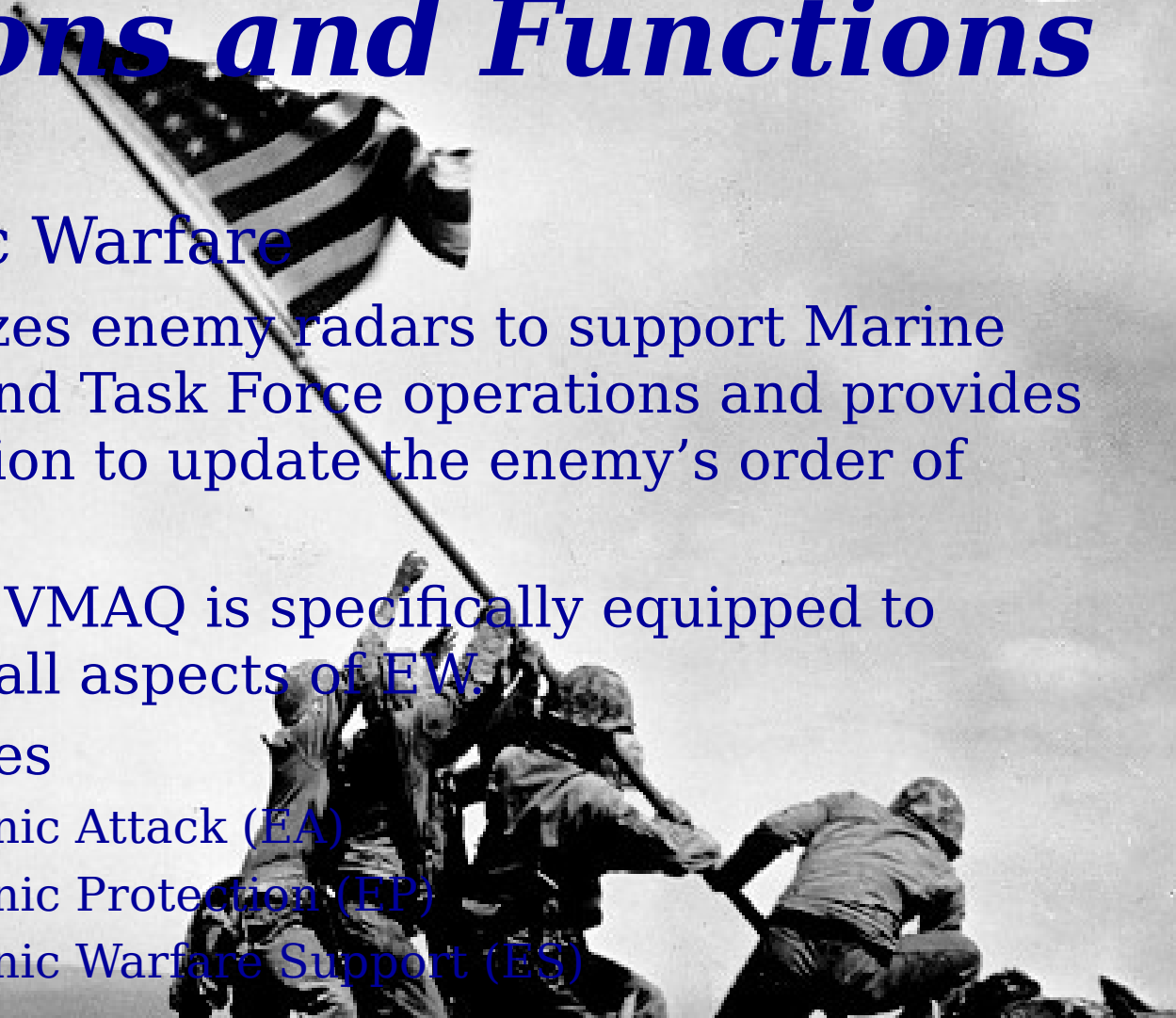
Missions and Functions

- Air Reconnaissance
 - Provides the Marine Air/Ground Task Force commander with information he can use to influence operations
 - Categories
 - Visual
 - Aids offensive actions such as artillery, naval gunfire or air support missions
 - Supplements operational information concerning friendly forces

Missions and Functions

- Multisensor imagery
 - Photography
 - Radar imagery from the Advanced Tactical Aerial Reconnaissance (ATARS).
- Infrared devices
- Electronic
 - Detects, identifies, evaluates and locates enemy electromagnetic radiation.
 - Provides an estimate of the enemy's order of battle.

Missions and Functions

A black and white photograph of the iconic Iwo Jima flag-raising. Several Marines are seen in silhouette, struggling to hoist a large American flag on a tall pole. The flag is partially unfurled, showing the stars and stripes. The background is a bright, hazy sky.

- Electronic Warfare
 - Neutralizes enemy radars to support Marine Air/Ground Task Force operations and provides information to update the enemy's order of battle.
 - Only the VMAQ is specifically equipped to perform all aspects of EW.
 - Categories
 - Electronic Attack (EA)
 - Electronic Protection (EP)
 - Electronic Warfare Support (ES)

Missions and Functions

- Control of Aircraft and Missiles
 - Integrates the other five functions of Marine aviation by providing the commander with the ability to exercise command and control authority over Marine aviation assets.
 - Methods of control
 - Air direction
 - Has the authority to regulate the employment of air resources.
 - Air control
 - Airspace management
 - Airspace Control

Missions and Functions

- Control and coordination measures
 - Fire support coordination measures
 - Airspace control measures
 - Air defense control measures

Aviation Logistics

- Seabasing
 - Operations from aircraft carriers, amphibious ships, and aviation logistic support ships (TAVB) eliminates the need for vulnerable and immobile support facilities ashore.

Aviation Logistics

- Airfield Classifications
 - Main Air Base
 - Secure airfield
 - Handles all aircraft types
 - At minimum, includes intermediate maintenance support

Aviation Logistics

- Air Facility

- Secure airfield
- Can support aircraft detachments or squadrons
- Includes organizational maintenance
- Can stage aviation ordnance



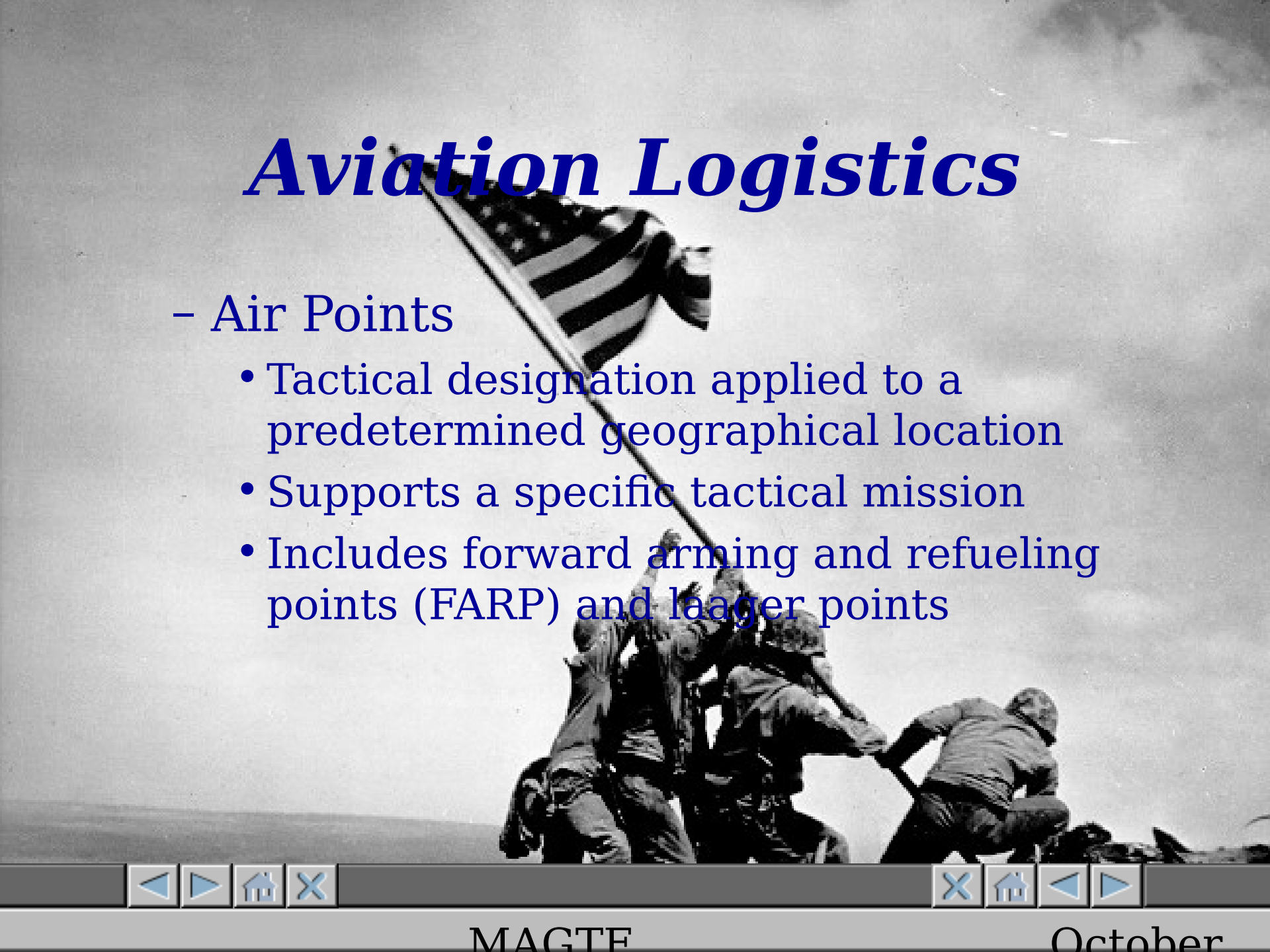
Aviation Logistics



- Air Sites

- Secure location
- Combat aircraft preposition to reduce response time
- Operations limited to receiving and launching previously loaded aircraft
- Can stage fuel and ordnance (EAF)
- No maintenance available

Aviation Logistics

The background of the slide is a black and white photograph of the iconic Iwo Jima flag-raising. Several soldiers are seen from behind, reaching up to plant a large American flag on a rocky peak against a cloudy sky.

– Air Points

- Tactical designation applied to a predetermined geographical location
- Supports a specific tactical mission
- Includes forward arming and refueling points (FARP) and laager points

Aviation Logistics

- Construction Support
 - Engineer Operations Division, Marine Wing Support Squadron, Marine Wing Support Group
 - Engineer Support Battalion, Force Service Support Group
 - Naval Construction Force

Aviation Logistics

The background of the slide is a black and white photograph of the iconic Iwo Jima flag-raising. Several Marines are visible, some standing and some crouching, as they hoist a large American flag onto a tall pole. The flag is partially unfurled, showing the stars and stripes. The scene is set against a cloudy sky.

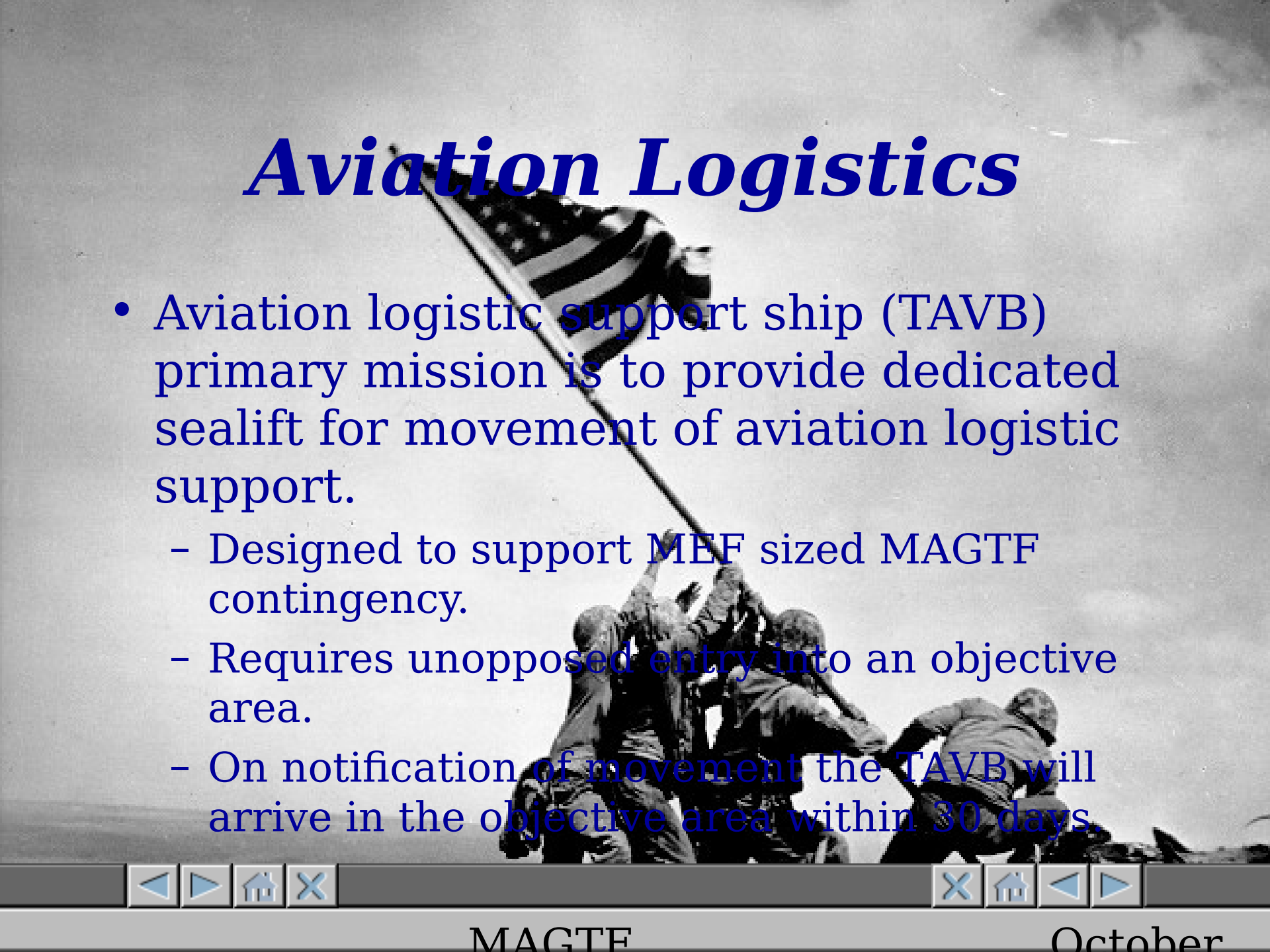
- The Marine Aviation Logistics Support Program (MALSP)
 - Logistical Support for the Aviation Combat Element is included in the Marine Aviation Logistics Support Program (MALSP).
 - Aviation logistics support is resident within the Marine Aviation Logistics Squadron (MALS)

Aviation Logistics

- Support packages include the following:
 - Fly-in Support Packages (FISP)
 - Contingency Support Packages (CSP)
 - Following-On Support Packages (FOP)



Aviation Logistics

A black and white photograph showing several soldiers in a combat environment, struggling to raise a large American flag on a tall pole. The flag is partially unfurled and waves in the air. The soldiers are wearing helmets and combat uniforms. The background is a hazy, overcast sky.

- Aviation logistic support ship (TAVB) primary mission is to provide dedicated sealift for movement of aviation logistic support.
 - Designed to support MEF sized MAGTF contingency.
 - Requires unopposed entry into an objective area.
 - On notification of movement the TAVB will arrive in the objective area within 30 days.

Aviation Logistics

- Aviation Ground Support (AGS)
 - Aviation Ground Support includes air base functions and ground services provided by the Marine Wing Support Squadron
 - Aviation Ground Support (AGS) consists of the following functionality's:
 - Internal Airfield Communications
 - Weather Service
 - Aircraft Rescue & Fire Fighting

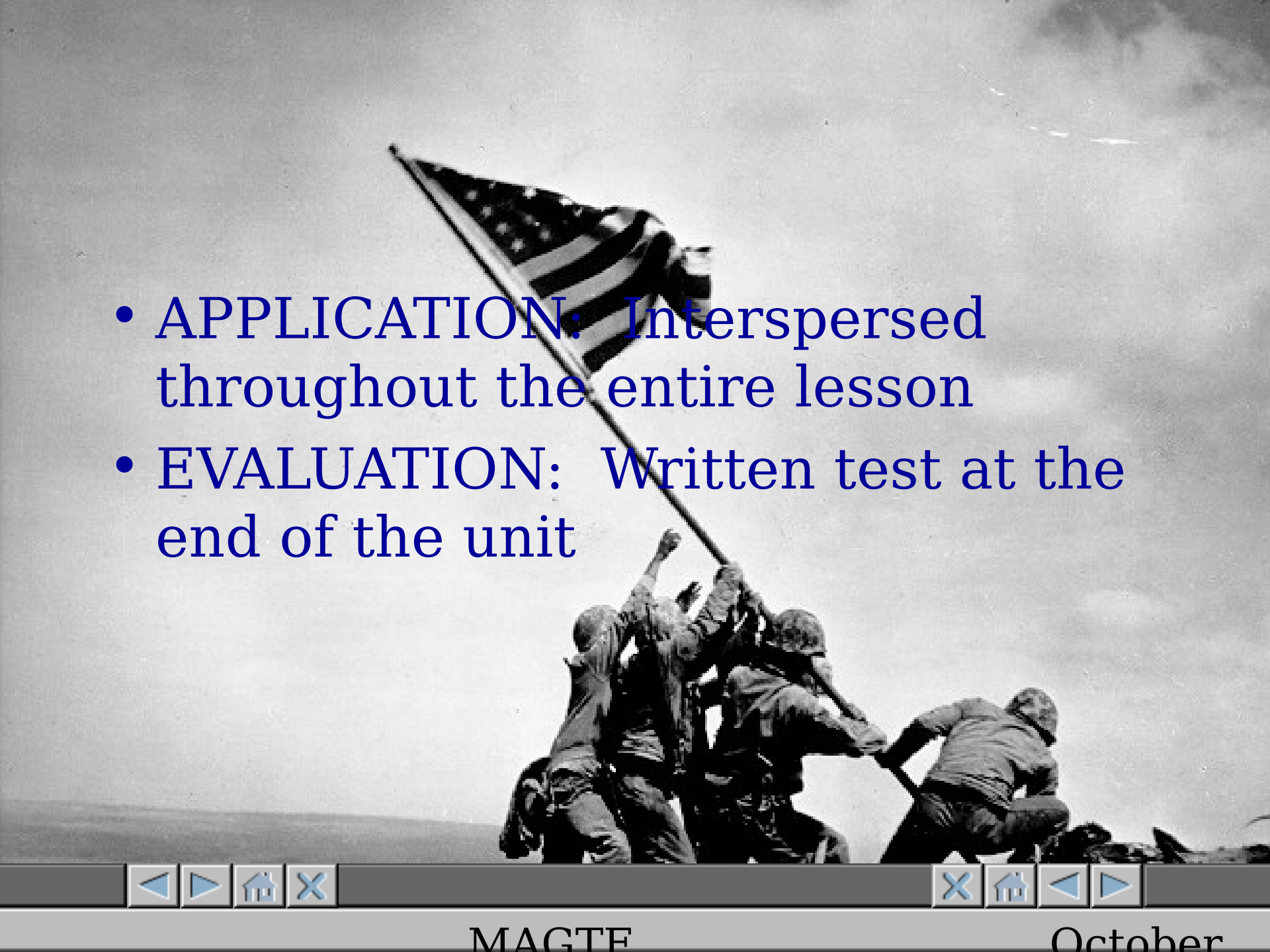
Aviation Logistics

- Refueling
- Material Handling
- Motor Transport
- Engineering Support
- Arresting Gear and Visual Landing Aids
- Airfield Security



Aviation Logistics

- Combat Service Support Detachment
 - Transporting
 - Performing
 - Providing
 - Provides support that cannot be provided by the Marine Wing Support Squadron

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- A black and white photograph of the iconic Iwo Jima flag-raising. Several soldiers are seen from behind, reaching up to plant a large American flag on a rocky peak. The flag is flying against a cloudy sky. The image serves as the background for the slide.
- APPLICATION: Interspersed throughout the entire lesson
 - EVALUATION: Written test at the end of the unit